

FIG. 1A

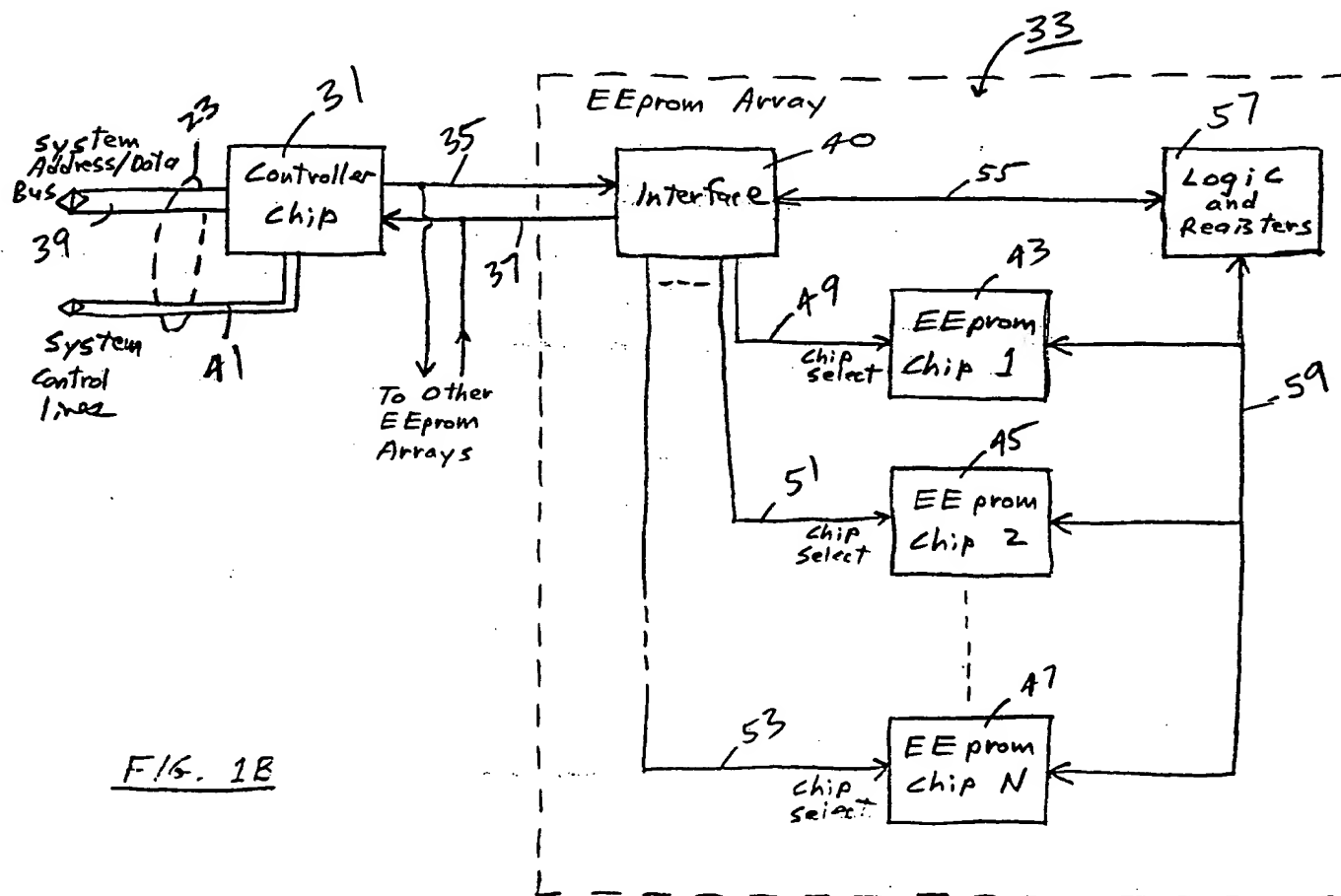


FIG. 1B

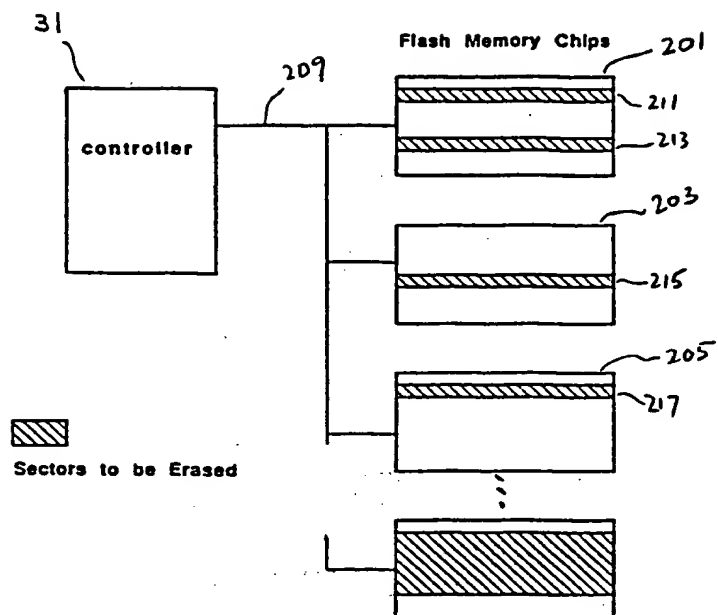


FIG. 2

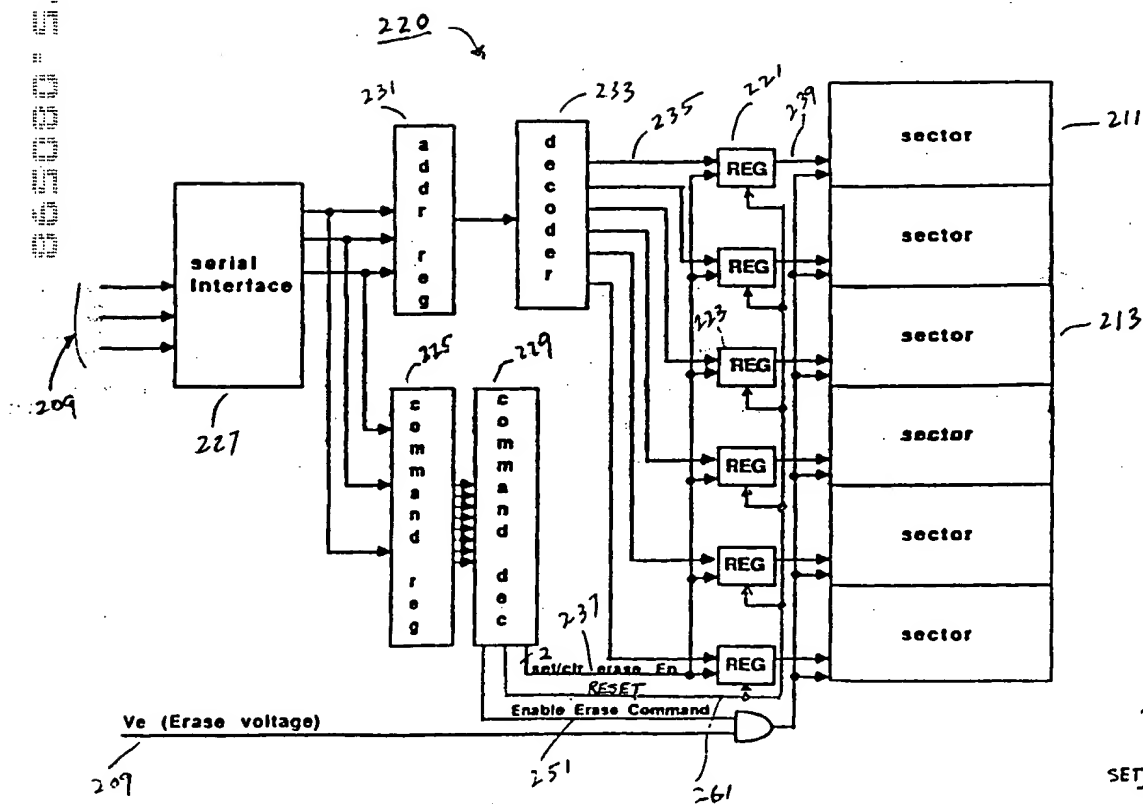


FIG. 3A

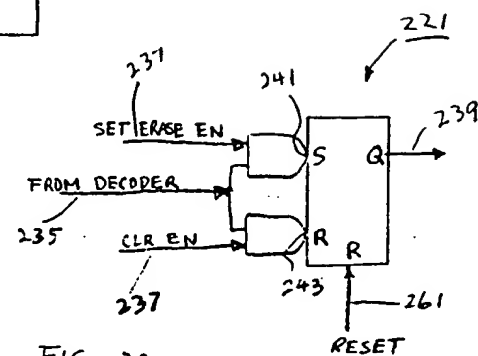


FIG. 3B

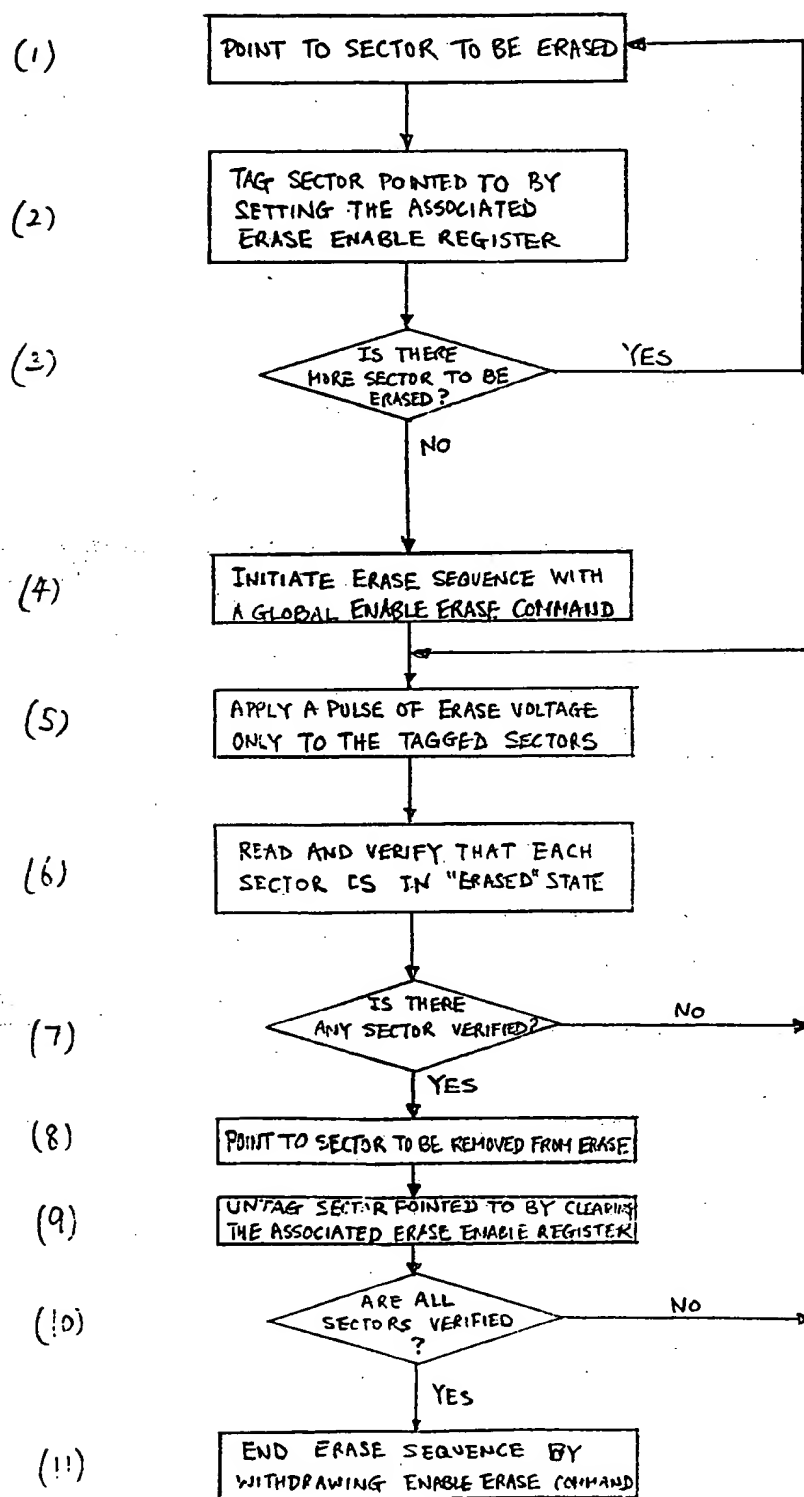
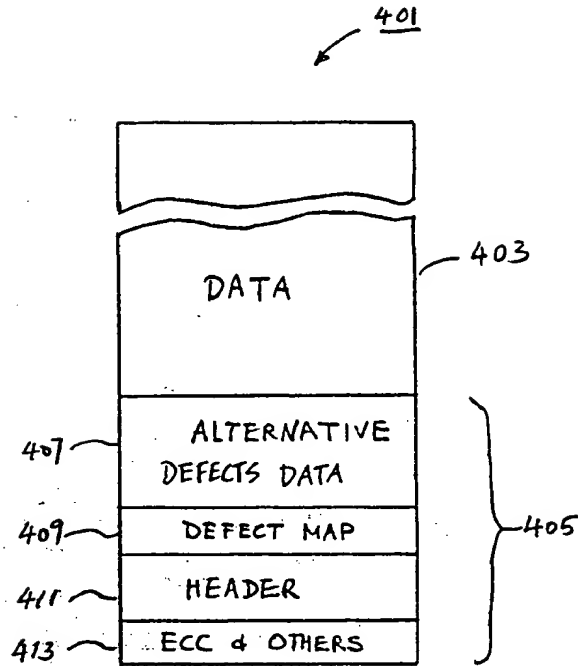


FIG. 4



SECTOR PARTITION

FIG-5

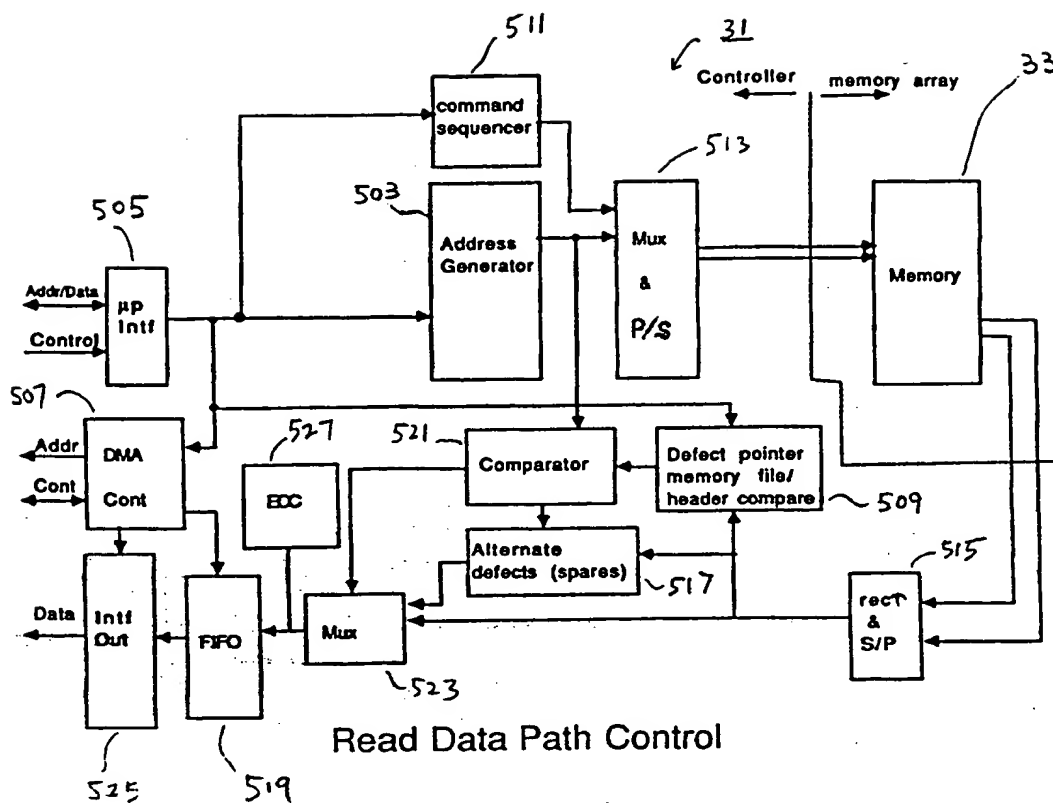


FIG. 6

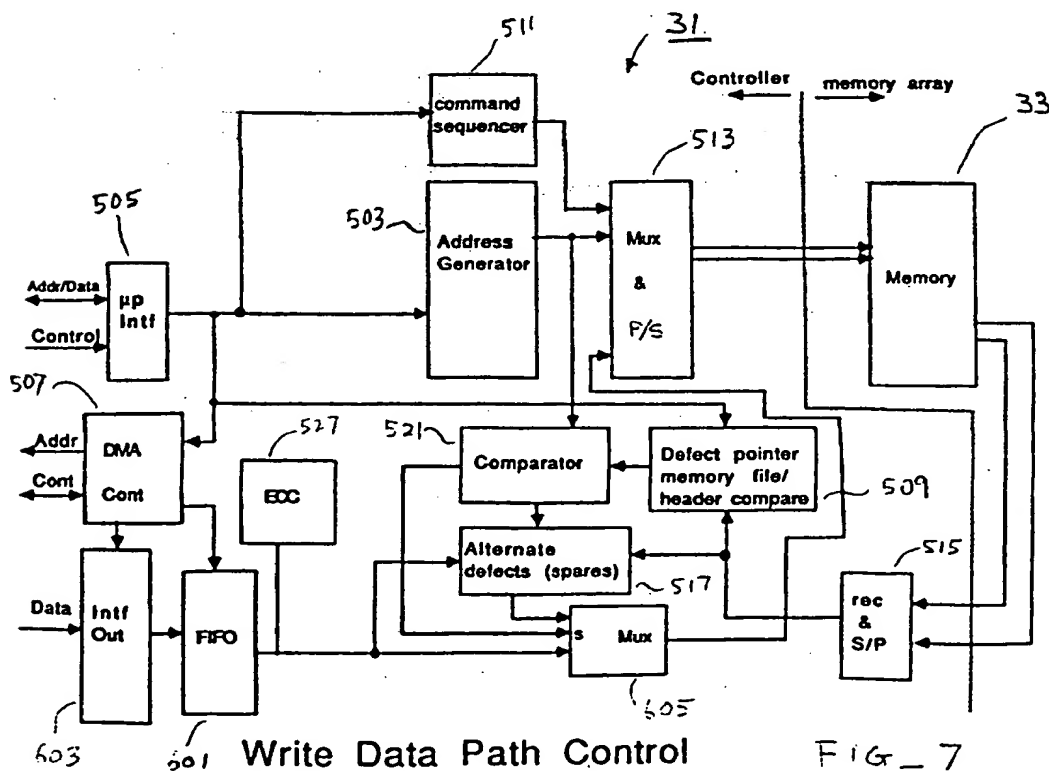


FIG. 7

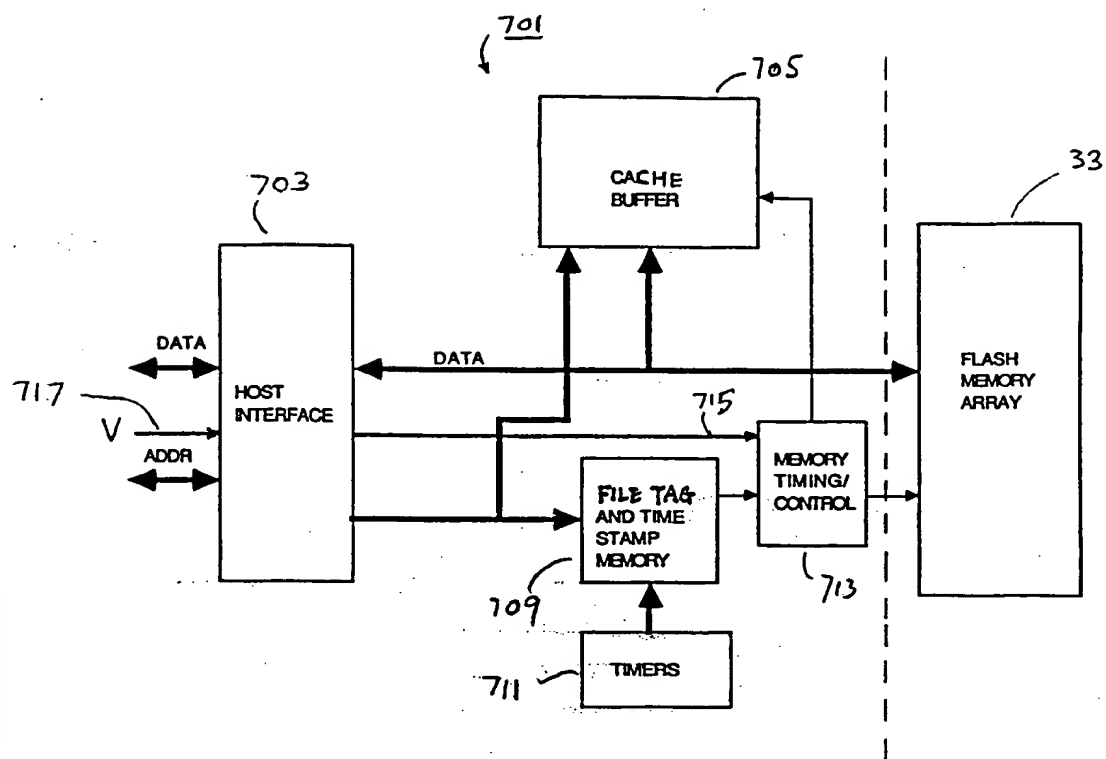


FIG. 8

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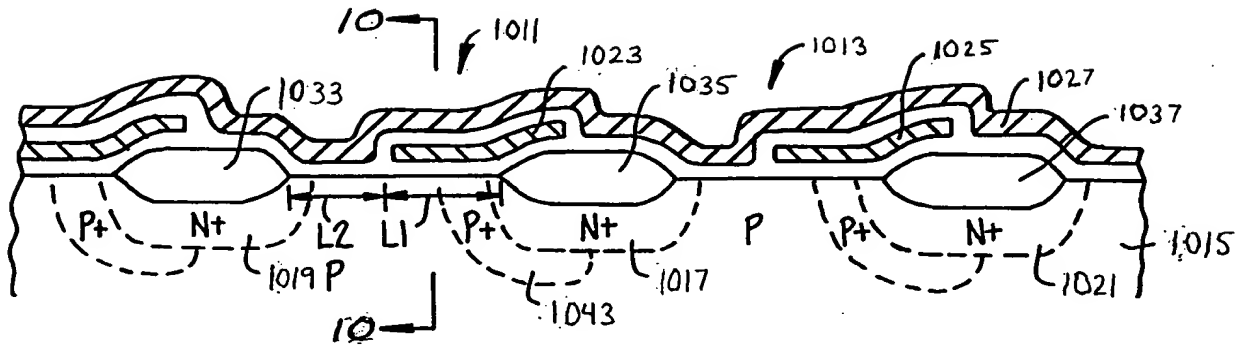


FIG. 9

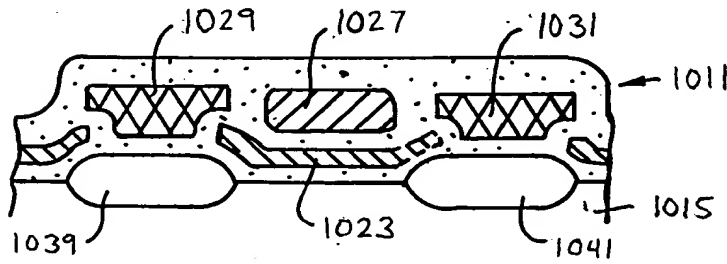


FIG. 10

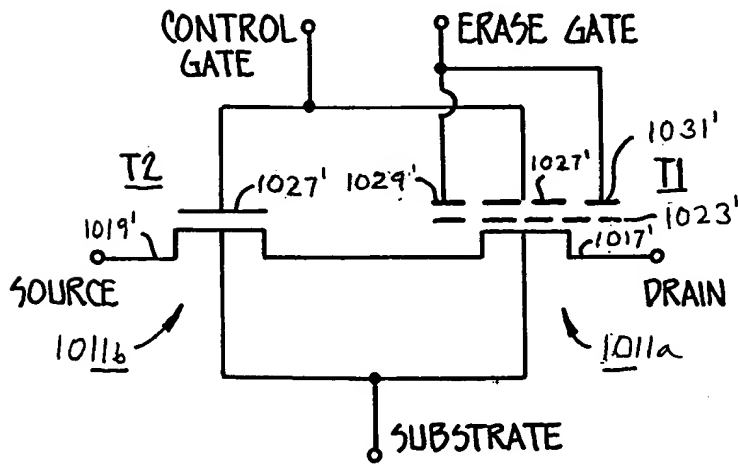


FIG. 11

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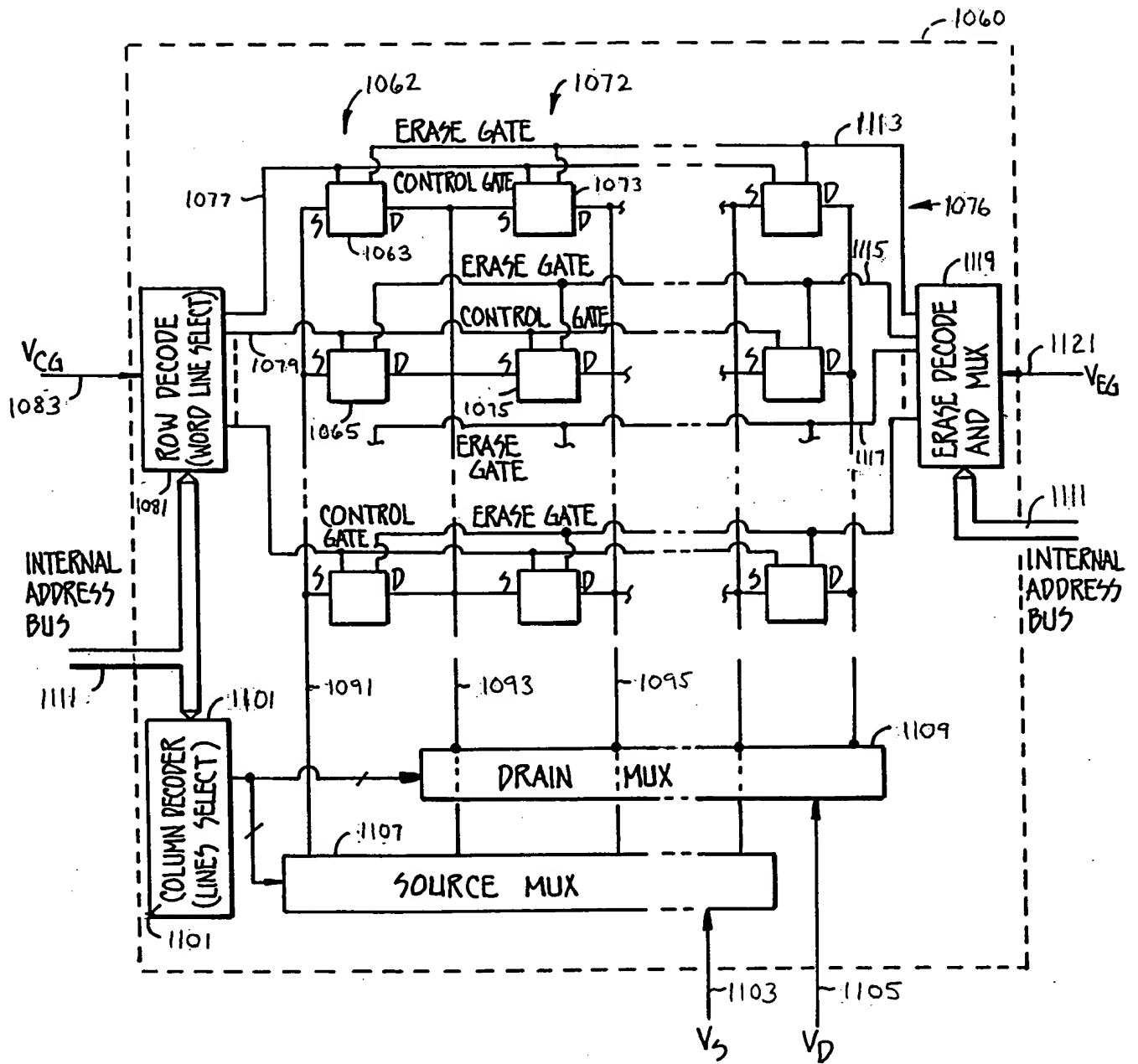


FIG. 12.

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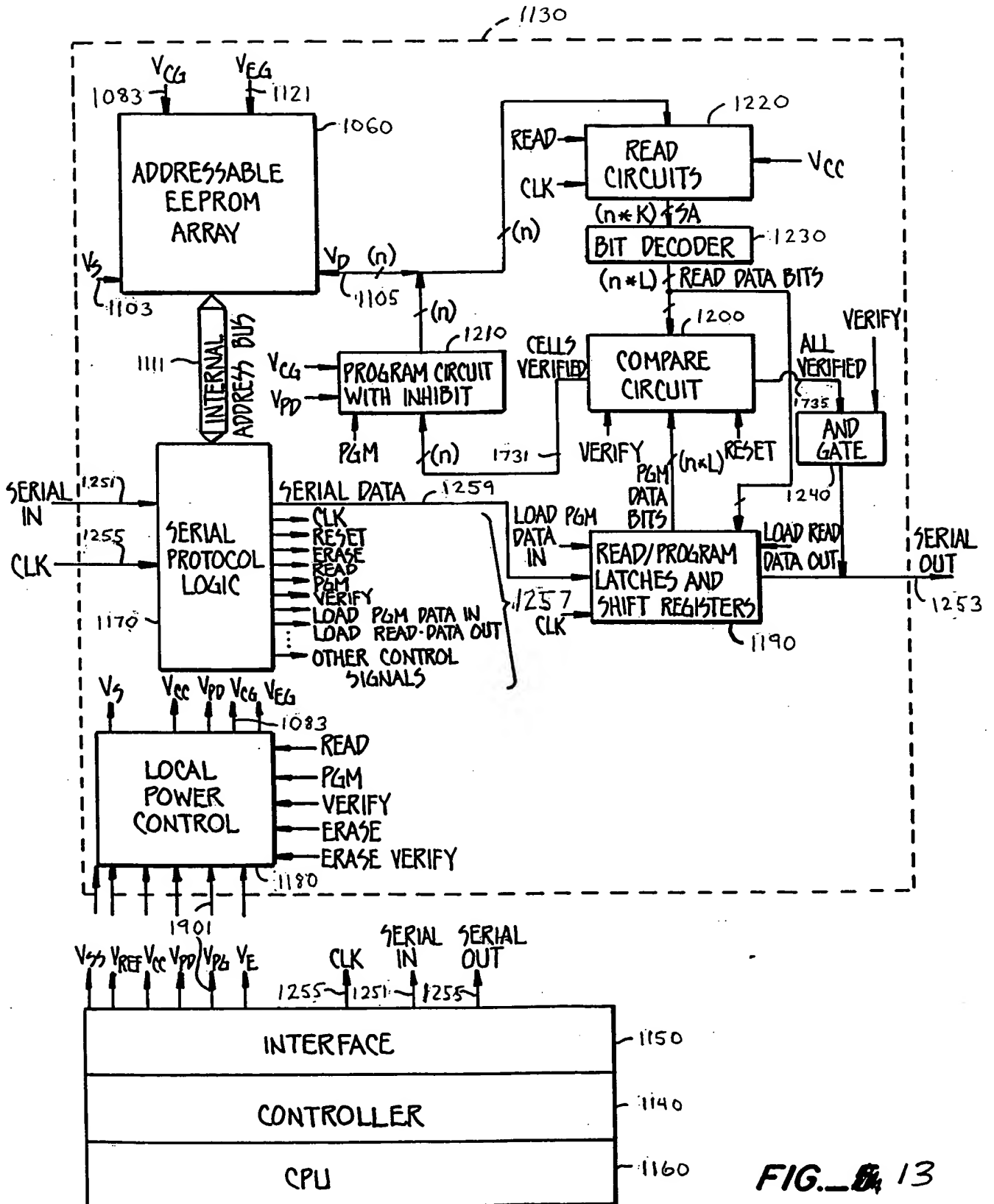


FIG. 13

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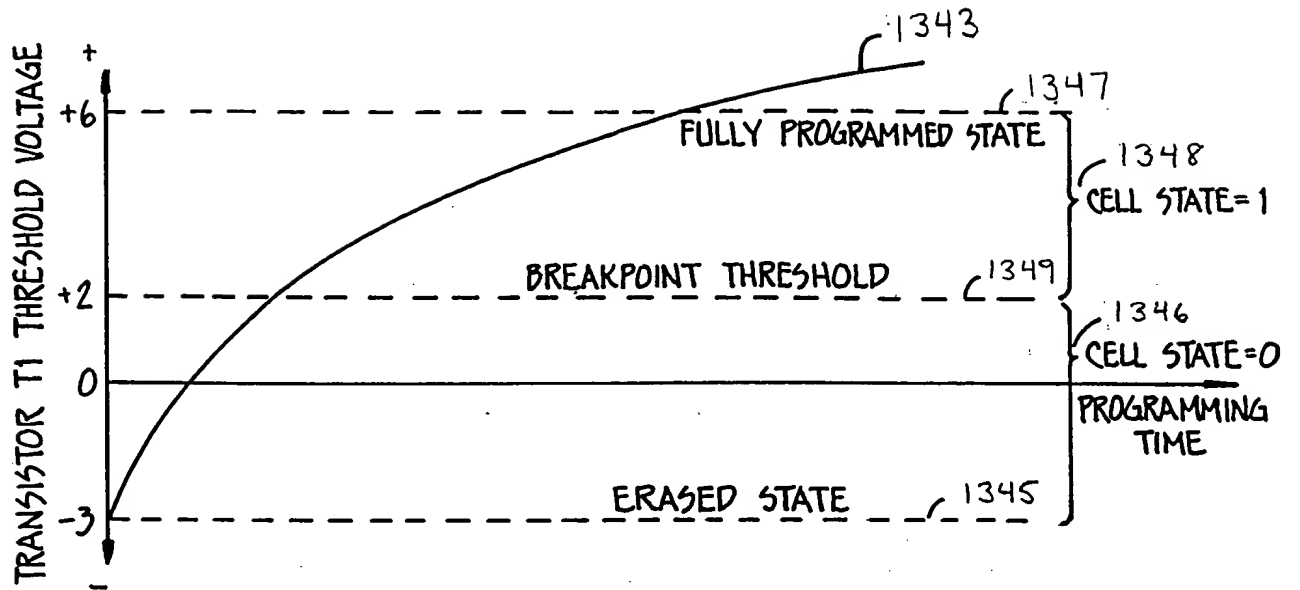


FIG. 14.

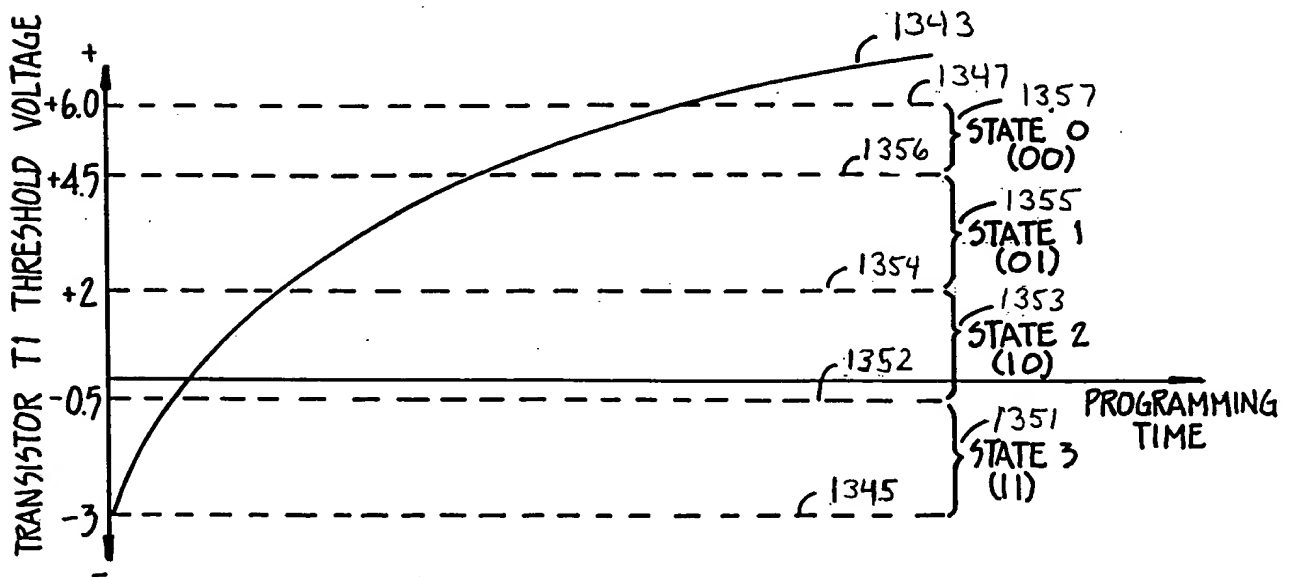


FIG. 15A

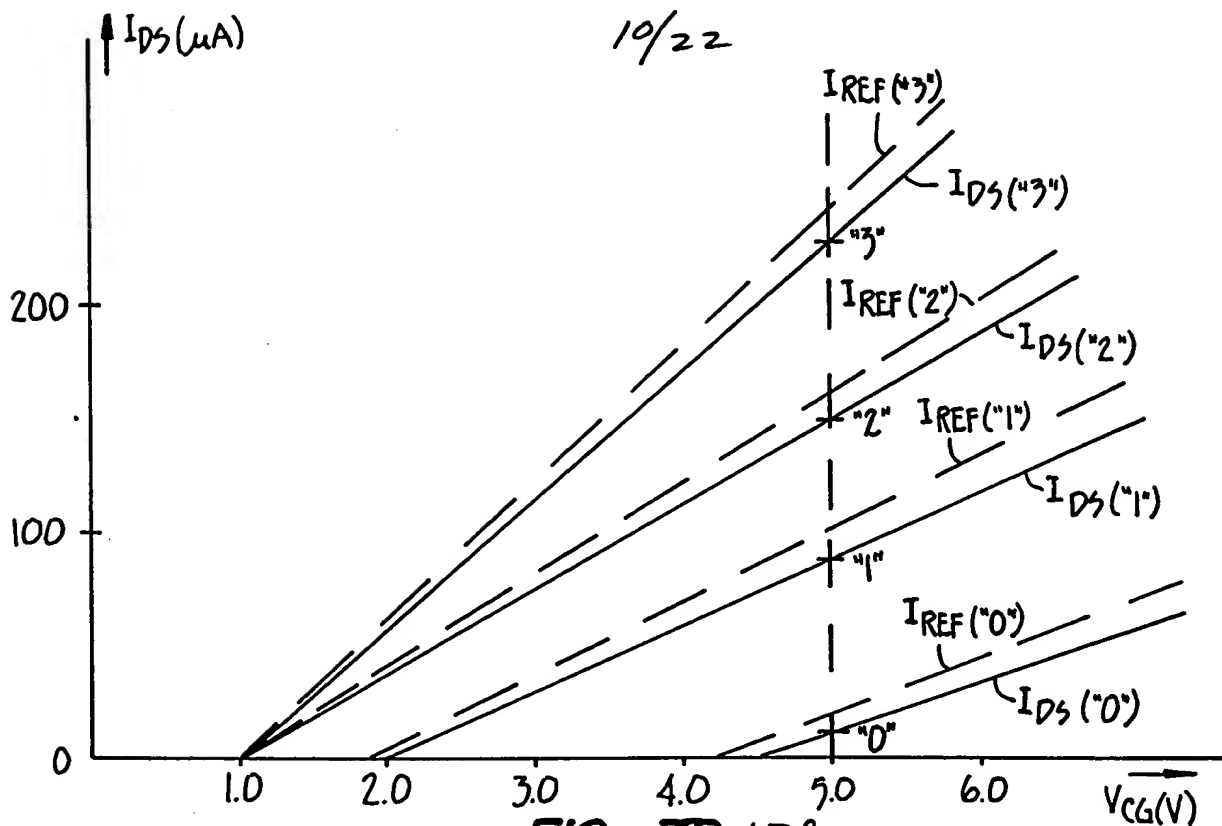


FIG. 15B

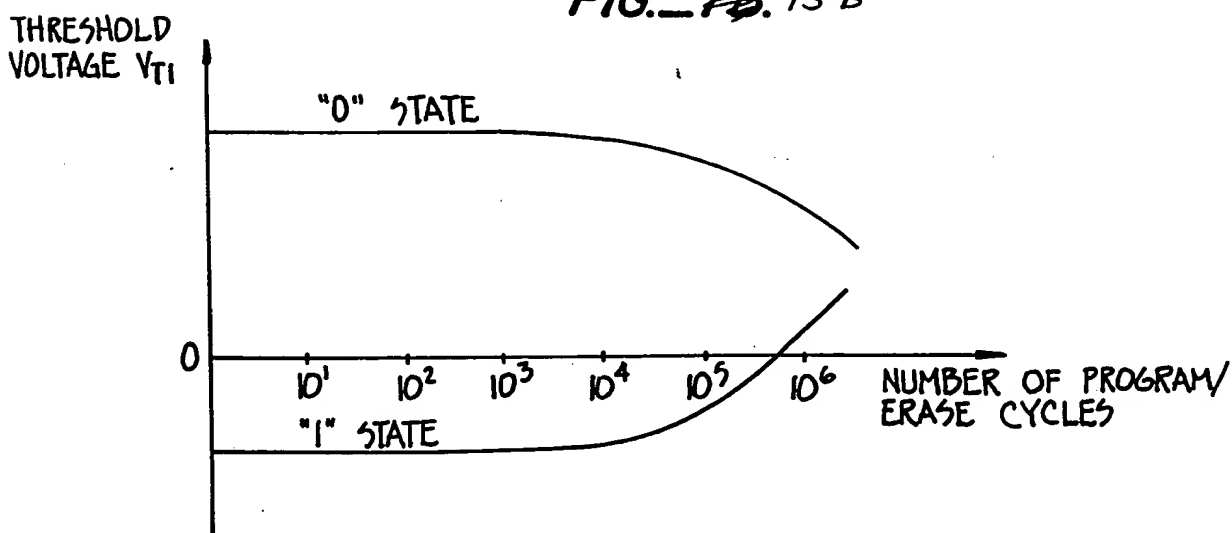


FIG. 16A

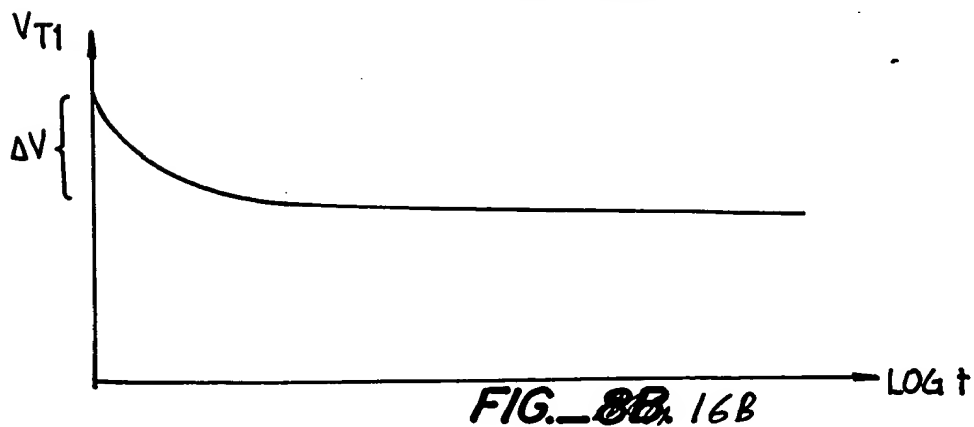


FIG. 16B

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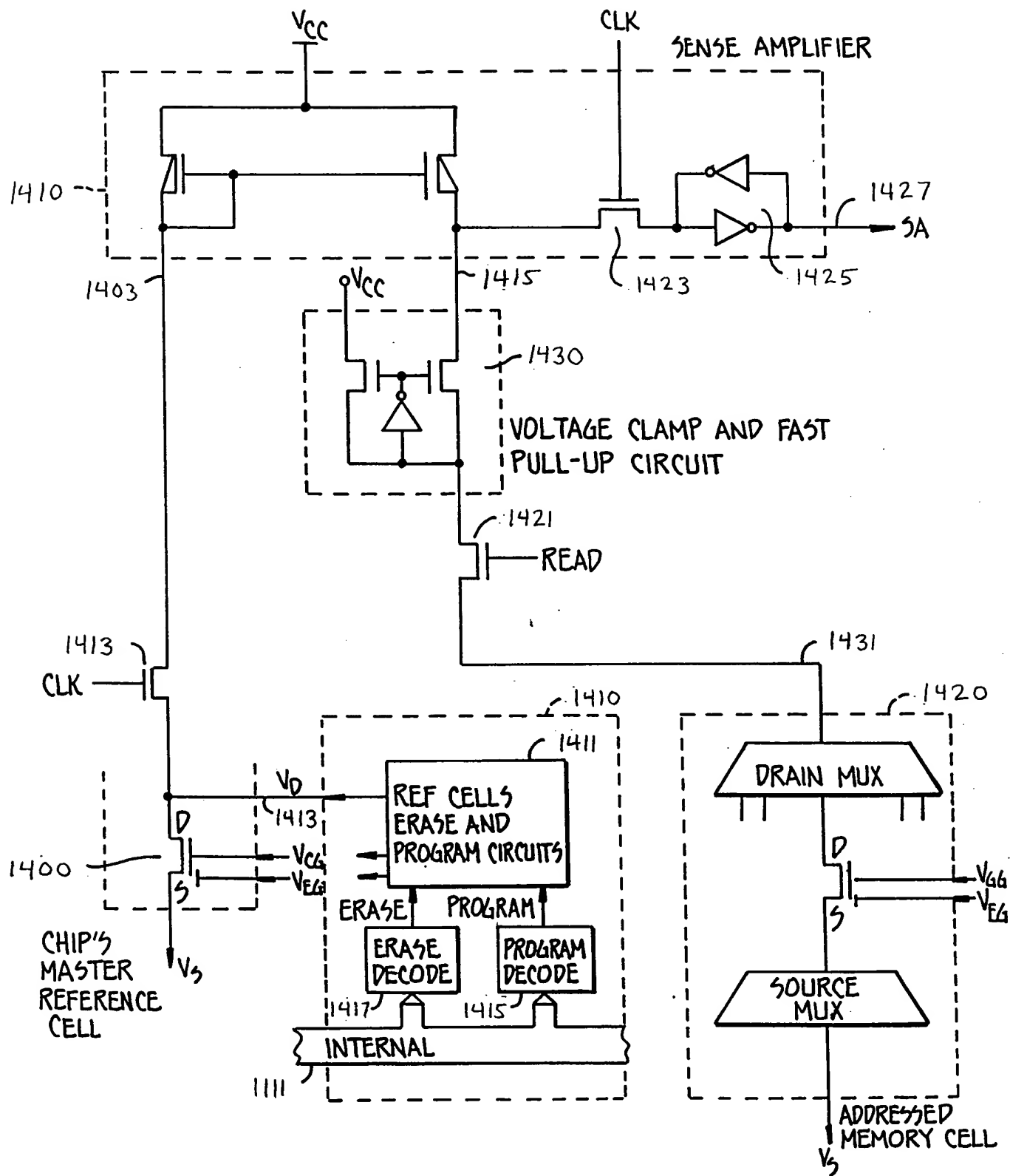


FIG. 17A

[illegible]

FIG. 17B

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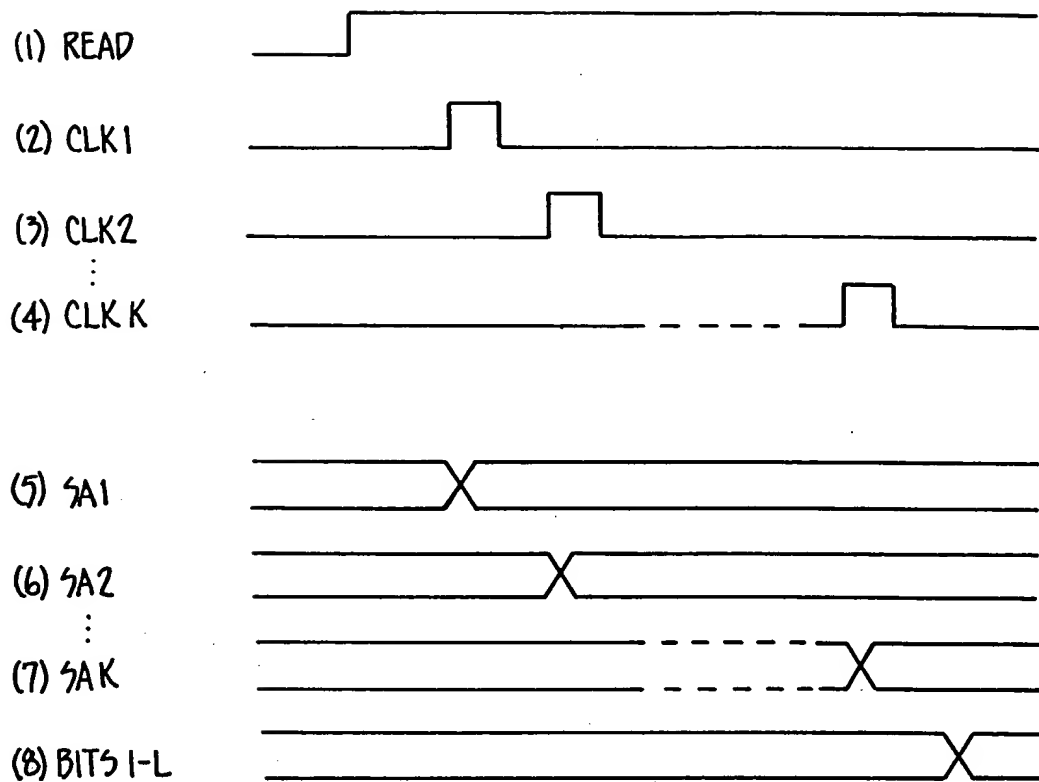


FIG. ~~17A~~ 17C

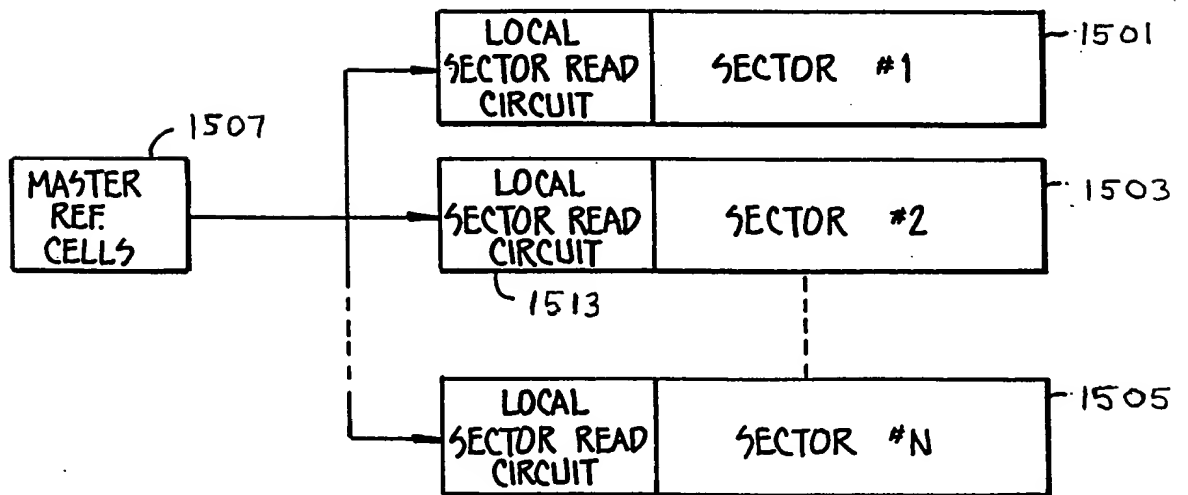


FIG. ~~18A~~ 18

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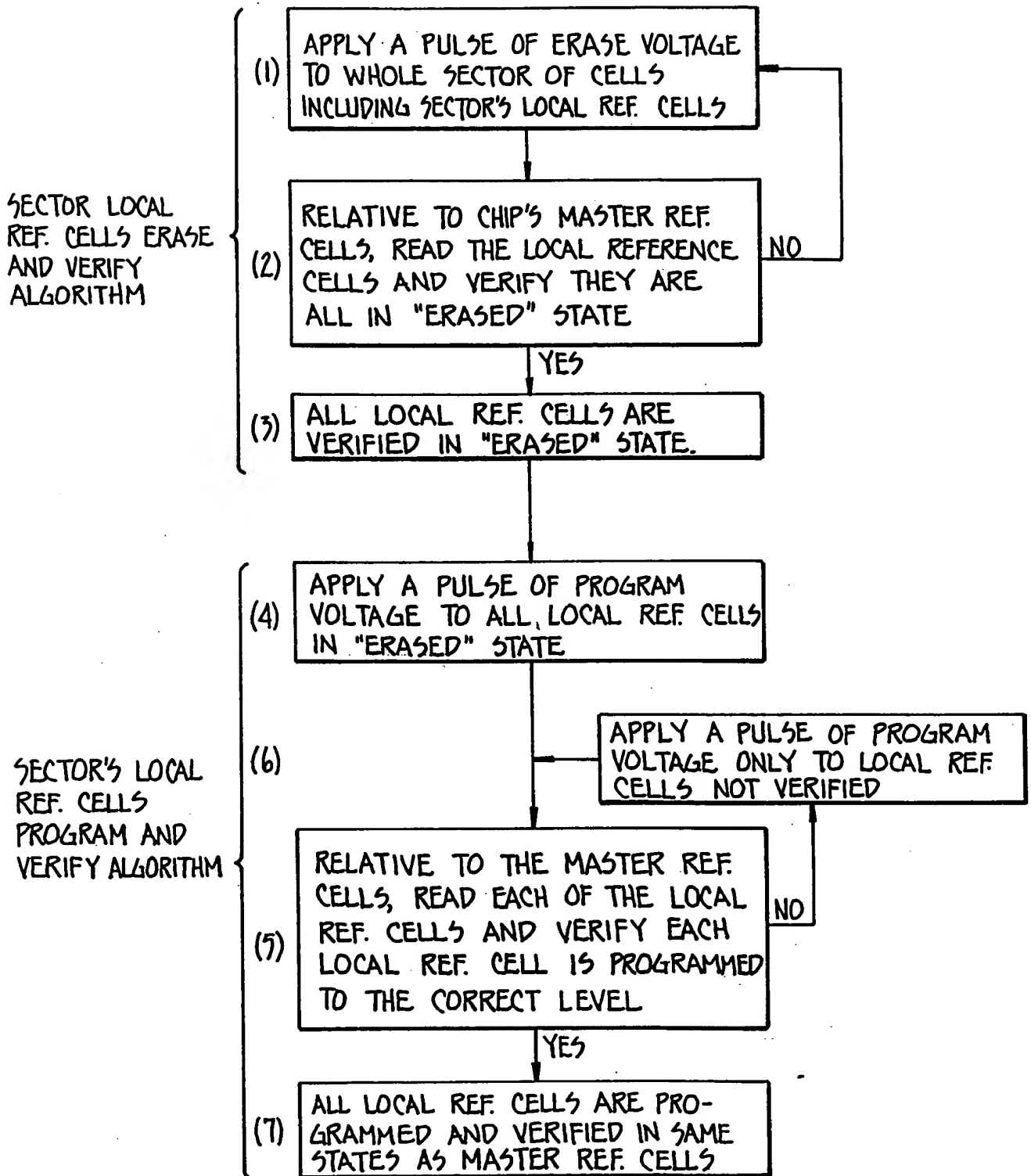
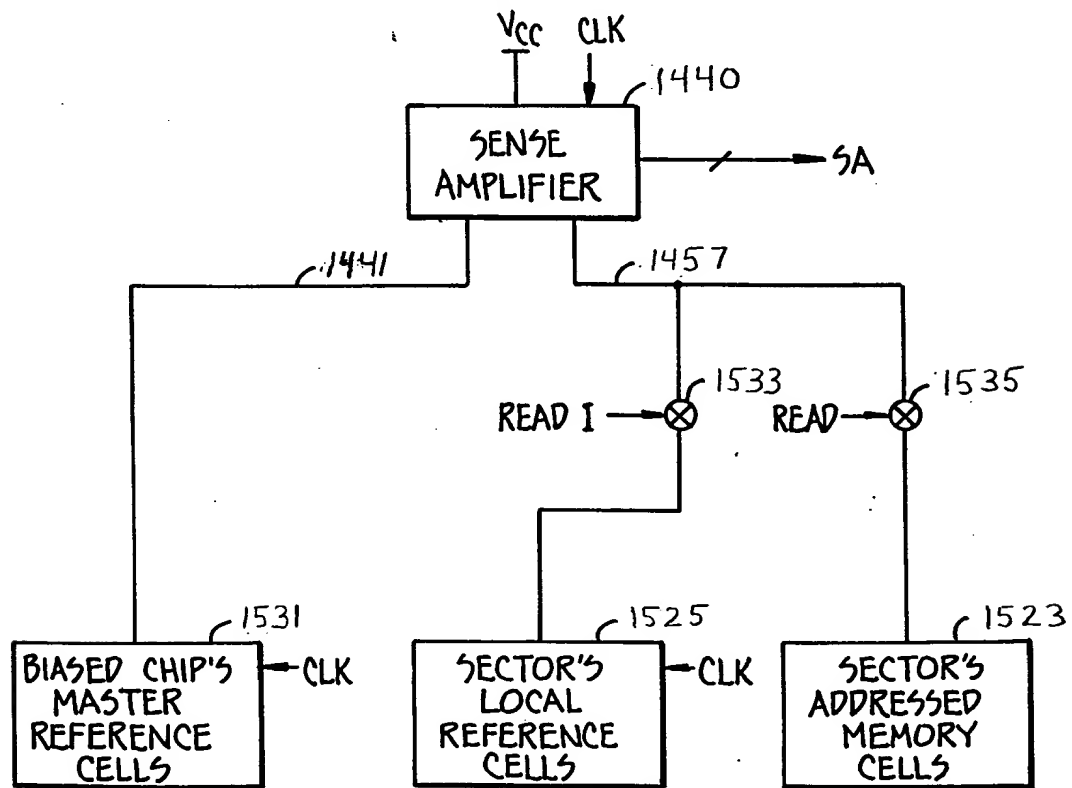
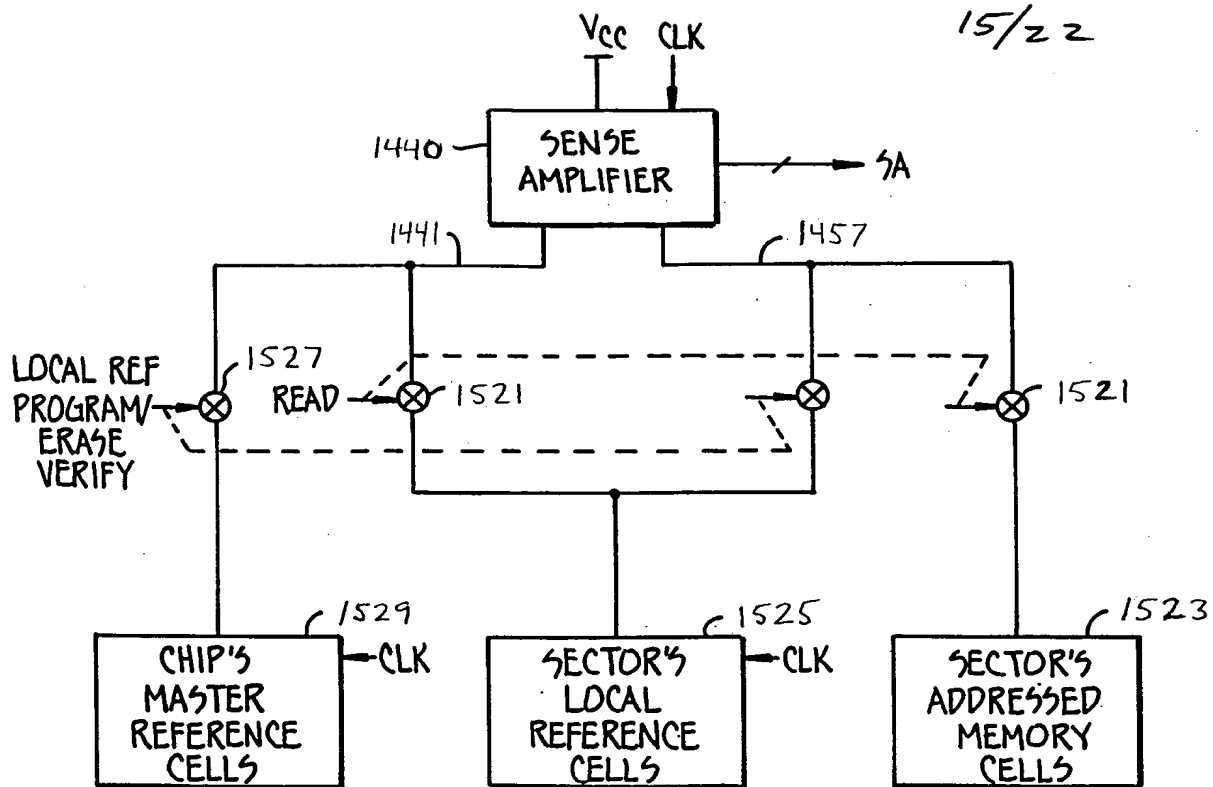


FIG. 19



DATE	TIME	LOCATION	WIND	TEMP	REL	WAVE	SEA	STATE	REMARKS
1954-01-15	0800	10°N 155°E	10	24.0	75	1.0	1.0	1.0	1.0
1954-01-15	1200	10°N 155°E	10	24.0	75	1.0	1.0	1.0	1.0
1954-01-15	1600	10°N 155°E	10	24.0	75	1.0	1.0	1.0	1.0
1954-01-15	2000	10°N 155°E	10	24.0	75	1.0	1.0	1.0	1.0
1954-01-16	0400	10°N 155°E	10	24.0	75	1.0	1.0	1.0	1.0
1954-01-16	0800	10°N 155°E	10	24.0	75	1.0	1.0	1.0	1.0
1954-01-16	1200	10°N 155°E	10	24.0	75	1.0	1.0	1.0	1.0
1954-01-16	1600	10°N 155°E	10	24.0	75	1.0	1.0	1.0	1.0
1954-01-16	2000	10°N 155°E	10	24.0	75	1.0	1.0	1.0	1.0
1954-01-17	0400	10°N 155°E	10	24.0	75	1.0	1.0	1.0	1.0
1954-01-17	0800	10°N 155°E	10	24.0	75	1.0	1.0	1.0	1.0
1954-01-17	1200	10°N 155°E	10	24.0	75	1.0	1.0	1.0	1.0
1954-01-17	1600	10°N 155°E	10	24.0	75	1.0	1.0	1.0	1.0
1954-01-17	2000	10°N 155°E	10	24.0	75	1.0	1.0	1.0	1.0



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LOCAL REF. CELLS ARE PREVIOUSLY PROGRAMMED
AND VERIFIED IN SAME STATES AS MASTER REF. CELLS

RELATIVE TO THE LOCAL REF. CELLS,
READ THE ADDRESSED CELLS

FIG. ~~12B~~, 20B

(1)

LOCAL REF. CELLS ARE PREVIOUSLY
PROGRAMMED AND VERIFIED IN SAME
STATES AS MASTER REF. CELLS

(2)

RELATIVE TO THE LOCAL REFERENCE
CELLS READ THE MASTER REF. CELLS

(3)

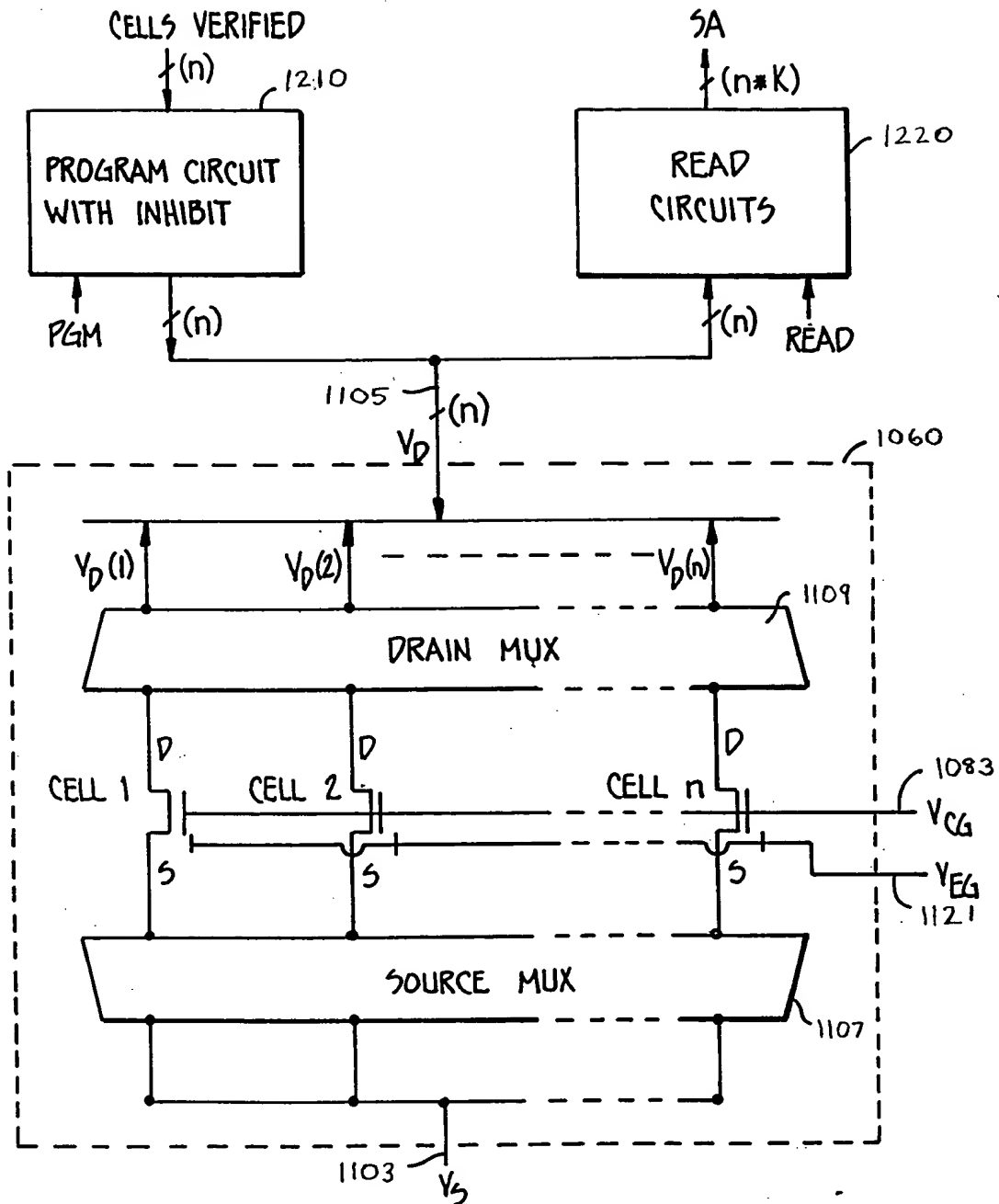
DETERMINE THE DIFFERENCES, IF ANY
AND BIAS. THE MASTER REF CELLS'
CURRENTS SUCH THAT THE SAME
READING IS OBTAINED RELATIVE TO
THE BIASED MASTER REF. CELLS
AS RELATIVE TO THE LOCAL
REF. CELLS

(4)

RELATIVE TO THE BIASED MASTER
REF. CELLS, READ THE ADDRESSED CELLS

FIG. ~~13D~~, 21D

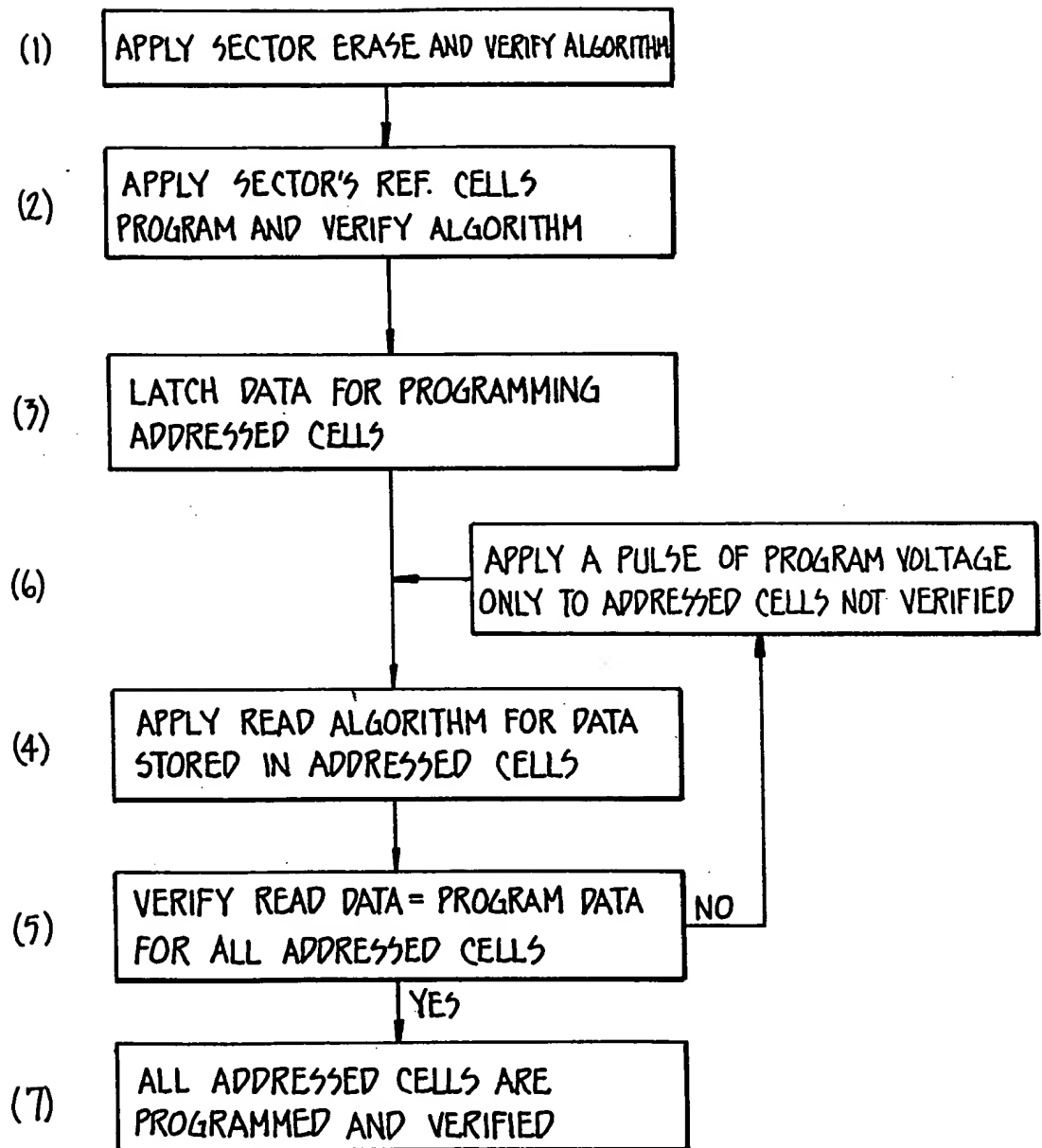
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READ/PROGRAM DATA PATHS FOR n CELLS IN PARALLEL

FIG. 22.

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PROGRAM ALGORITHM

FIG. 23

[illegible]

FIG. 24

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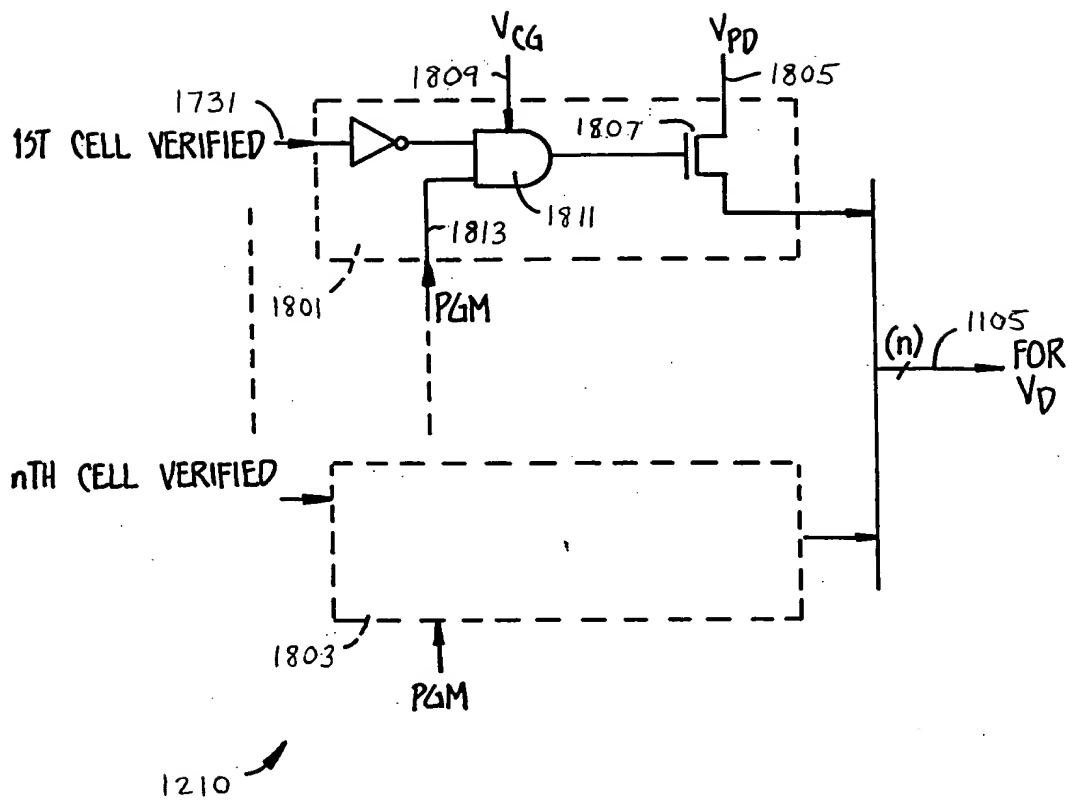


FIG. 25

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	SELECTED CONTROL GATE V_{CG}	DRAIN V_D	SOURCE V_S	ERASE GATE V_{EG}
READ	V_{PG}	V_{REF}	V_{SS}	V_E
PROGRAM	V_{PG}	V_{PD}	V_{SS}	V_E
PROGRAM VERIFY	V_{PG}	V_{REF}	V_{SS}	V_E
ERASE	V_{PG}	V_{REF}	V_{SS}	V_E
ERASE VERIFY	V_{PG}	V_{REF}	V_{SS}	V_E

~~TABLE 2~~ FIG. 26

(typical values)	READ	PROGRAM	PROGRAM VERIFY	ERASE	ERASE VERIFY
V_{PG}	V_{CC}	12V	$V_{CC} + \delta V$	V_{CC}	$V_{CC} - \delta V$
V_{CC}	5V	5V	5V	5V	5V
V_{PD}	V_{SS}	8V	8V	V_{SS}	V_{SS}
V_E	V_{SS}	V_{SS}	V_{SS}	20V	V_{SS}
unselected control gate	V_{SS}	V_{SS}	V_{SS}	V_{SS}	V_{SS}
unselected bit line	V_{REF}	V_{REF}	V_{REF}	V_{REF}	V_{REF}

$V_{SS}=0V$, $V_{REF}=1.5V$, $\delta V=0.5V - 1V$

~~TABLE 2~~ FIG. 27